T.O. 33A1-5-60-4

ILLUSTRATED PARTS
BREAKDOWN

WWV STANDARD FREQUENCY CALIBRATOR MODEL RH-10

(BROWNING)

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SECTION I
INTRODUCTION

1-1. GENERAL.

1-2. This publication lists and describes the parts of a WWV Standard Frequency Calibrator Model RH-10 manufactured by Browning Laboratories Inc., Winchester, Massachusetts.

1-3. Operation and service of the equipment should be performed by authorized personnel using the applicable Handbook of Operation and Service Instructions.

1-4. GROUP ASSEMBLY PARTS LIST.

1-5. The Group Assembly Parts List (Section II) lists component parts. Illustrations precede the listings of the equipment followed by a listing of the component parts properly indented thereunder to show their relationship to the equipment.

1-6. The Usable on Code column is blank indicating that component parts are used for all equipments.

1-7. PART NUMBERS. Part numbers are used exclusively to identify parts. When the part has a government part number, that number is listed. Commercial hardware, procurable from commercial sources and not listed in government publications, is identified by COMM in the part number column. If a part does not have a government number and is not commercial hardware, the manufacturer's part number is listed and the manufacturer's code follows the description.

1-8. SOURCE CODE DEFINITIONS.

1-9. CODE "P" - PARTS UNDER INVENTORY STOCK CONTROL. Descriptions for Code "P" and "P1" are as follows:

a. CODE "P" is applied to parts which are procured in view of relatively high usage. Code "P" parts may be requisitioned and installed by any maintenance level, unless followed by the letter "O", which restricts requisition and replacement to Depot (O&R) level only. Restricted service manufacture is considered practicable but only after an attempt has been made to procure from Supply Sources. In lieu of Procurement of "P" Coded Parts, the Department may designate a Depot (O&R) level activity to manufacture supply requirements for the Program.

b. CODE "P1" is applied to parts which are very difficult or uneconomical to manufacture. Service manufacture is considered impracticable. Code "P1" parts may be requisitioned and installed by any maintenance level, unless followed by the letter "O", which restricts requisition and replacement to Depot (O&R) level only.

1-10. CODE "M" MANUFACTURE - PARTS NOT PROCURED. Descriptions for Code "M" and "M1" are as follows:

a. CODE "M" is applied to parts which are within the facilities of any activity to manufacture. Procurement and stocking are not justified in view of the relatively low usage, or storage and installation factors, of these parts. Needs are to be met by local manufacture as required.

b. CODE "M1" is applied to parts which can be manufactured only by utilizing the facilities of the Depot (O&R) activity. Procurement and stocking of these parts are not justified in view of their relatively low usage and installation factors. The needs of all activities are to be met through salvage or by Depot (O&R) level manufacture.

1-11. CODE "A" ASSEMBLY - ASSEMBLY NOT PROCURED. Descriptions for Code "A" and "A1" are as follows:

a. CODE "A" is applied to assemblies made up of two or more units each of which carry individual part numbers and descriptions, and which may be assembled by any Maintenance level.
b. CODE "A1" is applied to assemblies made up of two or more parts each of which carry individual part numbers and description, and which may be assembled only by activities having Depot (O&R) facilities.

1-12. CODE "X" PARTS CONSIDERED IMPRACTICABLE FOR MANUFACTURE OR PROCUREMENT. Descriptions for Code "X", "X1", and "X2" are as follows:

a. CODE "X" is applied to Main Structural Members or similar parts which, if required, would suggest extensive aircraft or equipment reconditioning. The need of a part, or parts, coded "X" (wing spar caps, center section structure) should normally result in a recommendation to retire the aircraft or equipment from Service.
b. CODE "X1" is applied to parts for which procurement of the next larger assembly is justified; e.g., an integral detail part, such as welded segments, inseparable from its assembly; a part machined in a matched set; or a part of an assembly which, if required, would suggest extensive reconditioning of each assembly.
c. CODE "X2" is applied to parts which are neither procured nor stocked. Activities requiring such parts shall attempt to obtain from salvage. If not obtainable from salvage, such parts shall be requisitioned through normal supply channels with supporting justification.

1-13. CODE* PARTS NOT PROCURED - MANUFACTURED, OR STOCKED. CODE* applies to installation drawings, diagrams, instructions or field service drawings, basic drawing numbers which cannot be procured or manufactured and obsolete parts.

1-14. NUMERICAL INDEX.

1-15. The numerical Index (Section III) is compiled in accordance with the numerical part number filing system as follows:

a. Part number numerical arrangement starts in the left-hand column and continues from left to right, one column at a time, until the part number numerical arrangement is determined.
b. The order of precedence in part number numerical arrangement is as follows:

(1) Space (blank column)
(2) Dash (-)
(3) Letters A through Z
(4) Numerals 0 through 9

1-16. VENDOR'S CODE.

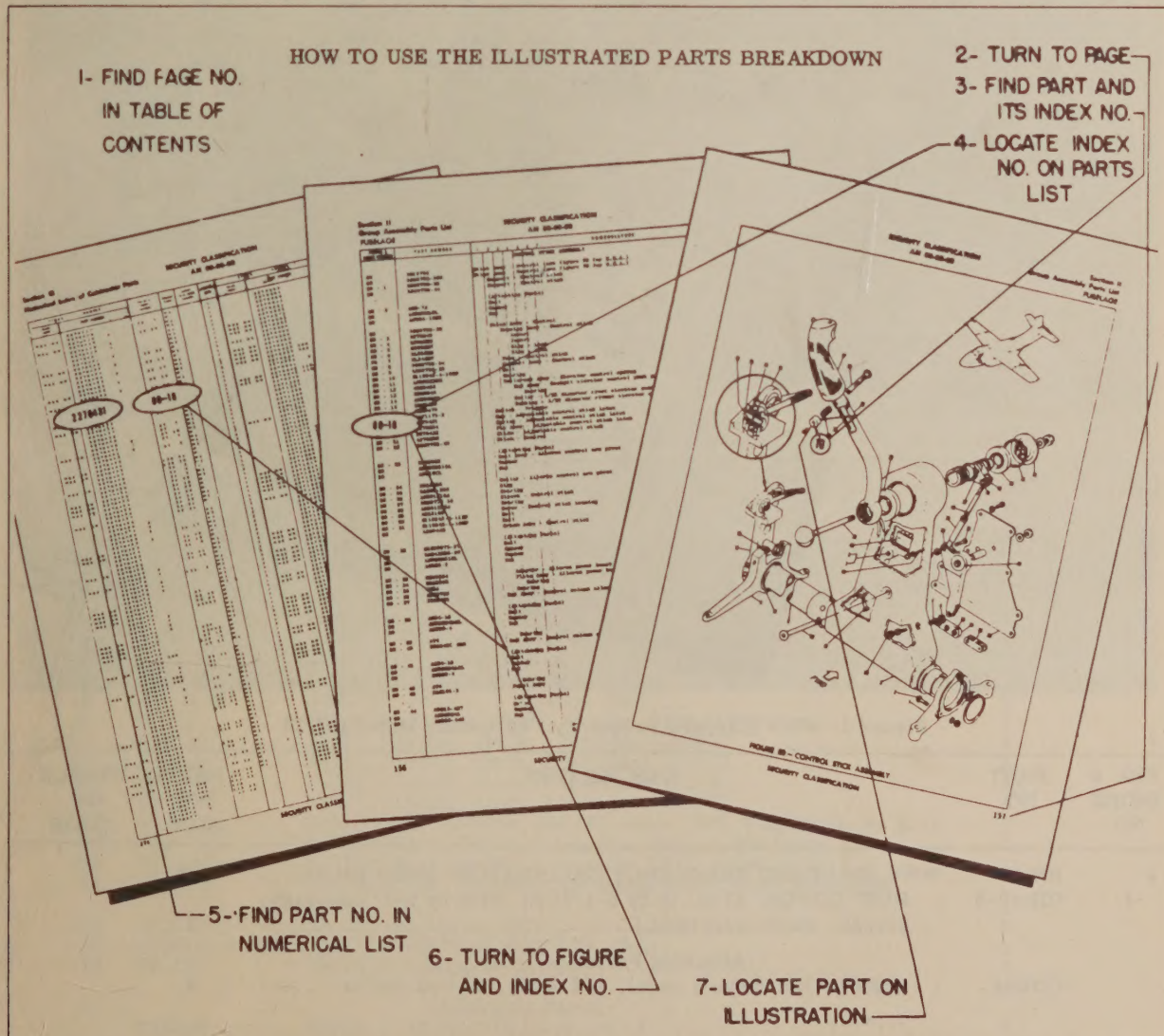
Code	Vendor's Name and Address
AEV	Aerovox Corp. 740 Belleville Ave. New Bedford, Mass.
AUT	Automatic Mfg. Corp. 65 Gouverneur St. Newark, N. J.
AHH	Arrow Hart & Hegeman Electric Co. 103 Hawthorn St. Hartford, Conn.
ALP	Alden Products Co. 112 N. Main St. Brockton 64, Mass.
AMP	American Phenolic Corp. 1830 S. 54th Ave. Chicago 50, Ill.
BGL	Browning Laboratories, Inc. 750 Main St. Winchester, Mass.
BUSS	Buss Machine Works Holland, Mich.
CGT	Cambridge Thermionic Corp. 447 Concord Ave. Cambridge, Mass.
CLEL	Cleveland Electronics, Inc. Cleveland, Ohio
CODL	Cords, Ltd. Div. of Essex Wire Corp. 121 Dodge St. DeKalb, Ill.
CPH	Chicago Telephone Supply Corp. 1142 W. Beardsley Ave. Elkhart, Ind.
DMC	Drake Mfg. Co. 1713 Hubbard St. Chicago, Ill.
EABI	Erie Electric Mfg. Corp. Erie, Pa.
ETR	Electra Mfg. Co. 2538 Madison Ave. Kansas City, Mo.
MIC	Micamold Radio Corp. 1087 Flushing Ave. Brooklyn 6, N.Y.
SKL	Sickles, F. W. Co. Div., General Instrument Corp. 165 Front St. Chicopee, Mass.
SPR	Sprague Electric Co. 125 Marshall St. North Adams, Mass.
SUPE	Superior Electric Co., The 4000 Mae Ave. Bristol, Conn.
TTR	Triad Transformer Mfg. Co. 4055 Redwood Ave. Los Angelés, Calif.
WF	Westfield Mfg. Co. Westfield, Mass.

1-17. SYMBOL DESIGNATIONS USED.

TABLE I. SYMBOL DESIGNATIONS

SYMBOL	DEFINITION	SYMBOL	DEFINITION
C	Capacitor	S	Switch
F	Fuse	T	Transformer
J	Binding Post	TB	Component Board
L	Inductor	V	Electron Tube
R	Resistor	X	Socket or Holder

NOTE: * denotes measurements or positions on Model RF-10's under Government Contract AF 33(604)12912


HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN
1- FIND PAGE NO. IN TABLE OF CONTENTS
2- TURN TO PAGE
3- FIND PART AND ITS INDEX NO.
4- LOCATE INDEX NO. ON PARTS LIST
5- FIND PART NO. IN NUMERICAL LIST
6- TURN TO FIGURE AND INDEX NO.
7- LOCATE PART ON ILLUSTRATION

HOW TO IDENTIFY A PART WHEN THE MAJOR COMPONENT IN WHICH THE PART IS USED IS KNOWN.

1. Turn to the Table of Contents and find the page number for the major component in which the part is used.
2. Turn to the page determined in step 1.
3. Find the part and index number on the illustration.
4. Find the index number on the Group Assembly Parts List page to determine the complete description.

HOW TO FIND THE ILLUSTRATION WHEN THE PART NUMBER IS KNOWN.

5. Refer to Section III, Numerical Index, and find the part number.
6. Refer to Section II and find the figure and index number indicated in the Numerical Index for that part.
7. On the face of the illustration, find the index number determined in step 2.

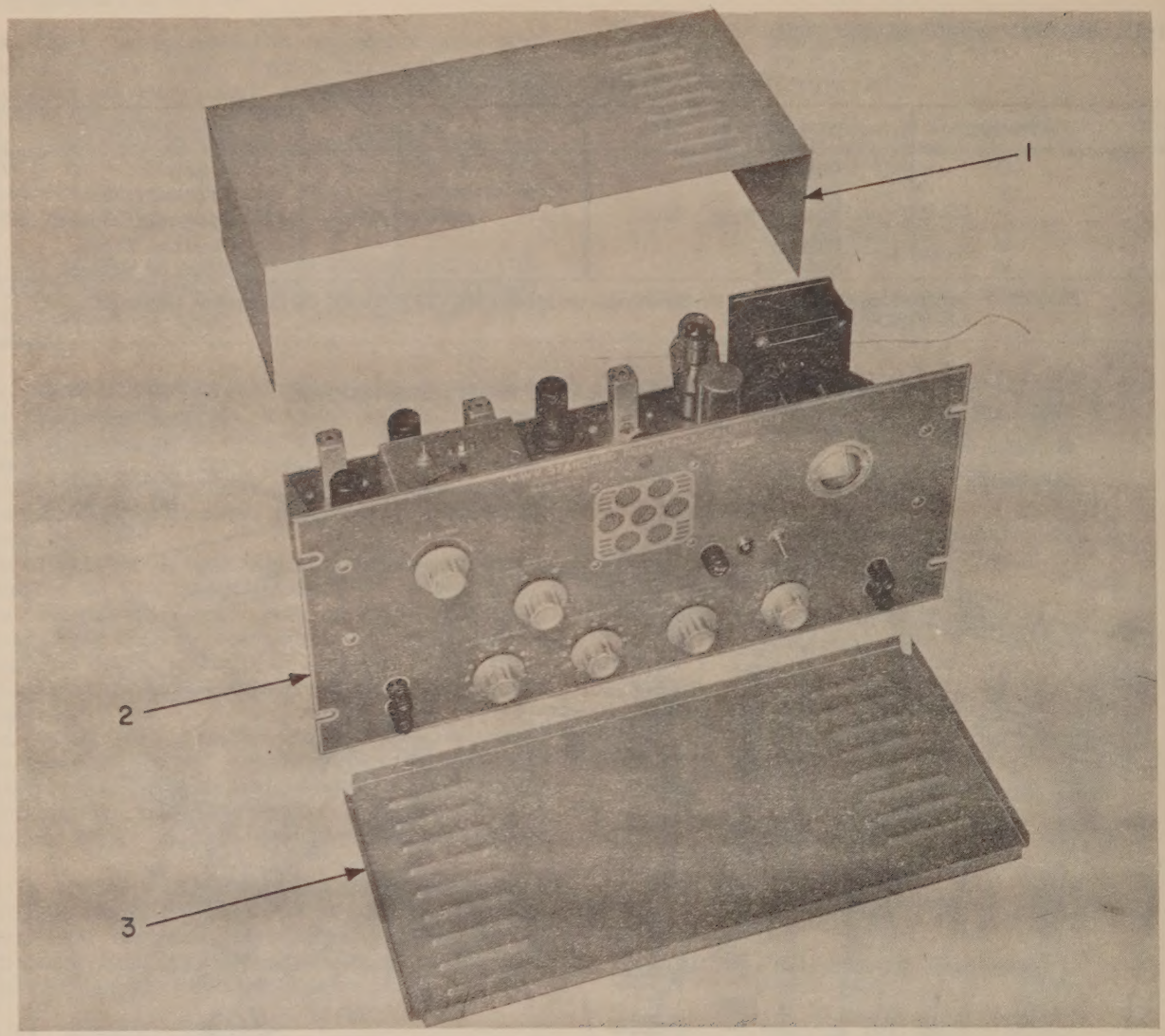


Figure 1. WWV Standard Frequency Calibrator, Model RH-10

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
1-	RH-10	WWV STANDARD FREQUENCY CALIBRATOR, Model RH-10....	Ref	
-1	RH-10-6	. DUST COVER, 17 in. lg by 8-1/16 in. wide by 5-1/2 in. high overall, sheet steel (BGL).....	1	
		(Attaching Parts)		
	COMM	. SCREW, No. 6 sheet metal, 1/4 in. lg, slotted hex hd.	4	
		---*---		
-2	RH-10-5	. PLATE, 16-7/8 in. lg by 7-7/8 in. wide by 1/2 in. deep overall, sheet steel (BGL).....	1	
		(Attaching Parts)		
	COMM	. SCREW, No. 6 sheet metal, 1/4 in. lg, slotted hex hd.....	6	
		---*---		
-3	RH-10	. WWV STANDARD CALIBRATOR, Model RH-10 (BGL) (see figures 2, 3, and 4).....	1	

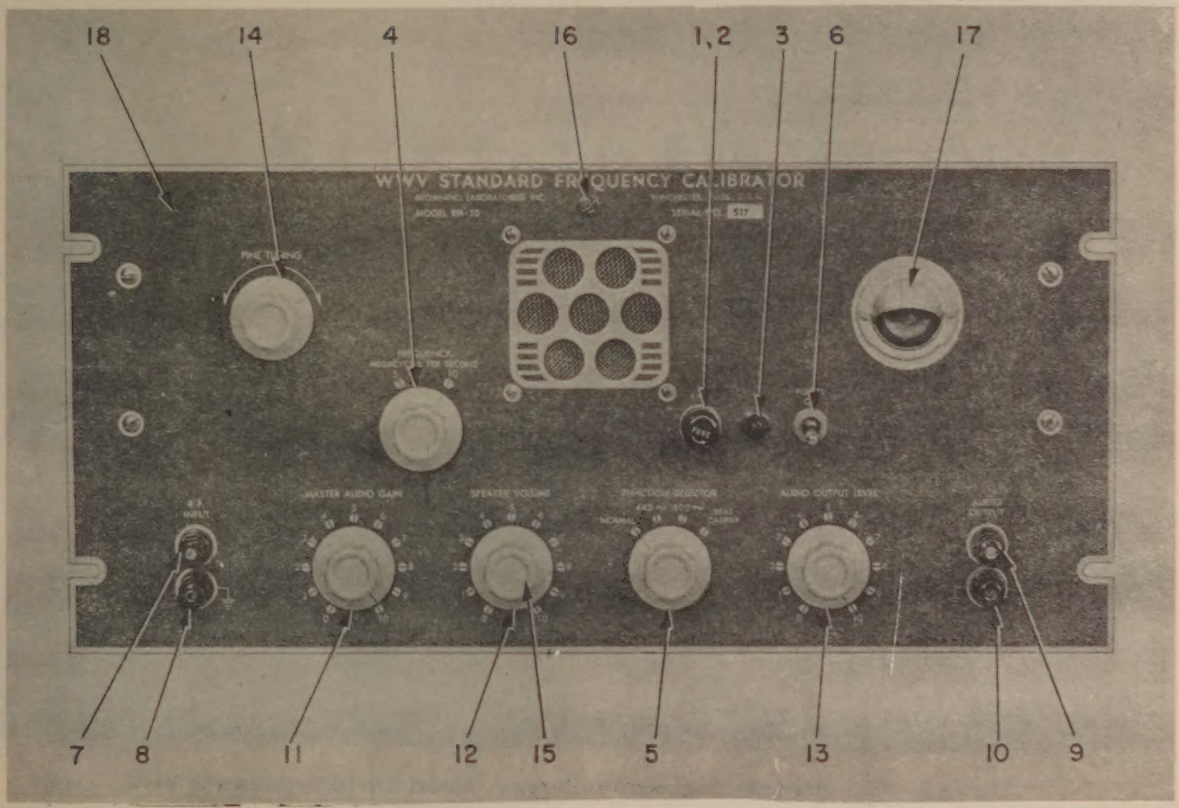


Figure 2. WWV Standard Frequency Calibrator, Model RH-10 Front Panel Assembly

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
2-		FRONT PANEL ASSEMBLY	Ref.	
-1	HKP	FUSEHOLDER, Bayonet type knob for 1-1/4 in. by 1/4 in. fuse (BUSS)	1	
-2	AGC	FUSE, 2 amp, 250v, 1-1/4 in. by 1/4 in. (BUSS)	1	
-3	10G	LIGHT, Indicator, 1/2 in. red jewel, type G 3-1/2 bulb (DMC)	1	
-4	RH-10-11	SWITCH, Rotary, 2 position (BGL)	1	
-5	SW-4-13	SWITCH, Rotary, 4 position (BGL)	1	
-6	80607	SWITCH, Toggle, SPST, 10 amp, 115v (AHH)	1	
-7	DF30B	POST, Binding, black, 1 terminal (SUPE)	1	
-8	DF30B	POST, Binding, black, 1 terminal (SUPE)	1	
-9	DF30B	POST, Binding, black, 1 terminal (SUPE)	1	
-10	DF30B	POST, Binding, black, 1 terminal (SUPE)	1	
-11	AX9938	RESISTOR, Variable, 500,000 ohms ±20%, 1W (CPH)	1	
-12	Type 35	RESISTOR, Variable, 1 megohm ±20%, 1/2W (CPH)	1	
-13	Type 35	RESISTOR, Variable, 1 megohm ±20%, 1/2W (CPH)	1	
-14	ARL-26	CAPACITOR, Variable, air dielectric, 7 mmf. maximum (SKL)	1	
-15	GEN-B-1	KNOB, Aluminum (BGL)	6	
-16	GEN-A-5	IDENTIFICATION BUTTON, (BGL)	1	
-17	10-16	SHIELD, Aluminum (AMP)	1	
		(Attaching Parts)		
	COMM	BOLT, 5-40 by 5/16 in. lg, rd hd.	2	
		---*---		
-18	RH-10-1	PANEL 19 in. lg by 8-3/4 in. high by 1/8 in. thick, Al (BGL)	1	
		(Attaching Parts)		
	COMM	BOLT, 6-32 by 3/4 in. lg, oval head.	4	
	AN936A6	WASHER, Lock, No. 6	4	
	COMM	NUT, Hex, 6-32, 1/4 in. across flats	4	

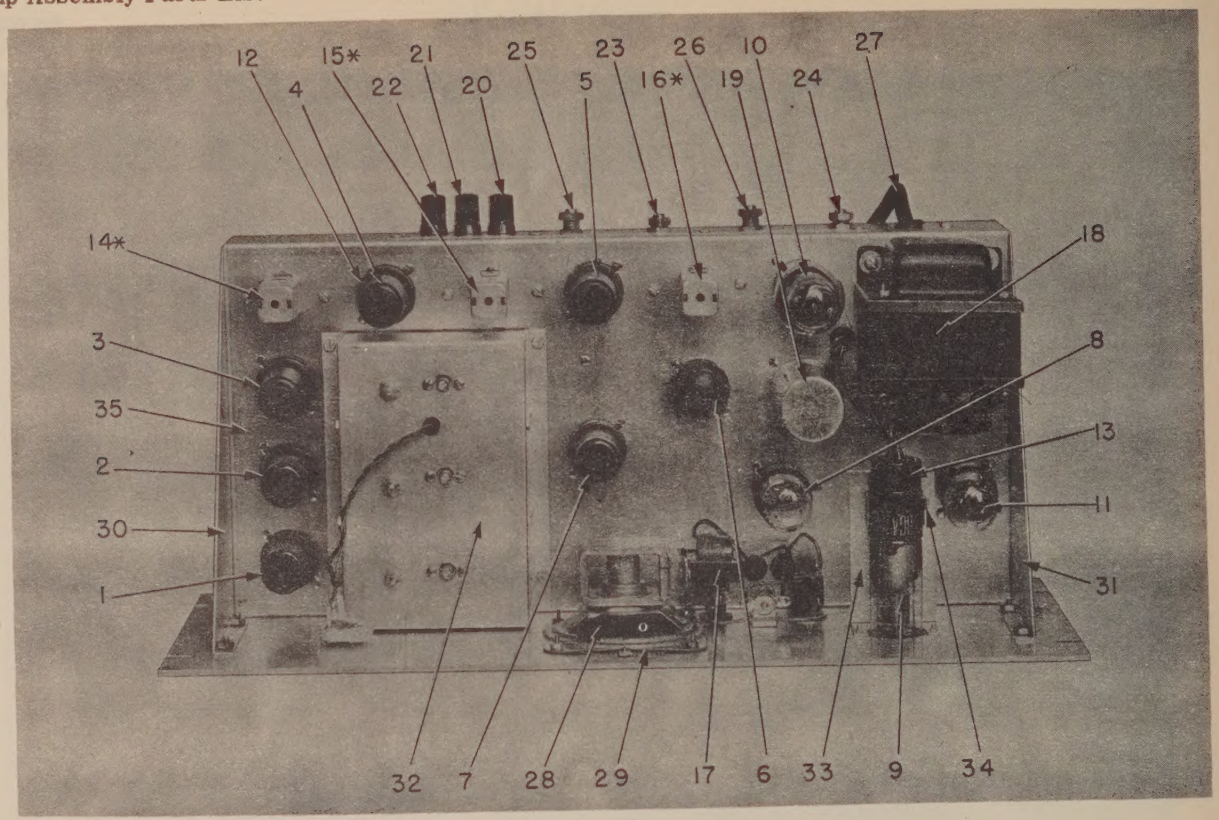


Figure 3. WWV Standard Frequency Calibrator, Model RH-10 Overchassis View

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
3-	RH-10	. WWV STANDARD FREQUENCY CALIBRATOR.	Ref	
-1	6SG7	. . ELECTRON TUBE.	1	
-2	6SA7	. . ELECTRON TUBE.	1	
-3	6J5	. . ELECTRON TUBE.	1	
-4	6SK7	. . ELECTRON TUBE.	1	
-5	6SK7	. . ELECTRON TUBE.	1	
-6	6H6	. . ELECTRON TUBE.	1	
-7	6SJ7	. . ELECTRON TUBE.	1	
-8	6SN7	. . ELECTRON TUBE.	1	
-9	6U5/6G5	. . ELECTRON TUBE.	1	
-10	OD3/VR150	. . ELECTRON TUBE.	1	
-11	5Y3	. . ELECTRON TUBE.	1	
-12	356M1	. . SOCKET, Electron tube, octal (WF).	10	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 1/4 in. lg, rd hd	2	
	AN936A6	. . WASHER, Lock, No. 6.	2	
	AN340C6	. . NUT, Hex, 6-32	2	
		---*---		
-13	206FESC	. . SOCKET, Tuning Eye, includes 1 meg resistor (ALP). .	1	
-14	14075	. . TRANSFORMER, Input, 456KC (SKL).	1	
*	1655-6	. . TRANSFORMER, Input, 455KC (AUT)	1	
		(Attaching Parts)		
	AN936A6	. . WASHER, Lock No. 6	2	
	AN340C6	. . NUT, Hex, 6-32.	2	
*	1041	. . MOUNTING CLIP (AUT).	1	
-15	14075	. . TRANSFORMER, Input, 456KC (SKL).	1	
*	1655-6	. . TRANSFORMER, Input, 455KC (AUT)	1	
		(Attaching Parts)		
	AN936A6	. . WASHER, Lock No. 6	2	
	AN340C6	. . NUT, Hex, 6-32.	2	
*	1041	. . MOUNTING CLIP (AUT).	1	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
3-16	14076	. . TRANSFORMER, Output, 456KC (SKL).	1	
*	1655-6	. . TRANSFORMER, Output, 455KC (AUT)	1	
		(Attaching Parts)		
	AN936A6	. . WASHER, Lock No. 6	2	
	AN340C6	. . NUT, Hex, 6-32.	2	
*	1041	. . MOUNTING CLIP (AUT).	1	
-17	S-11X	. . TRANSFORMER, Audio, 10,000 ohms to 3.2 ohms (TTR).	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 1/4 in. lg, rd hd	2	
	AN936A6	. . WASHER, Lock, No. 6.	2	
	AN340C6	. . NUT, Hex, 6-32.	2	
		--*--		
-18	T-13	. . TRANSFORMER, Power, 150V AC pri., Sec. No. 1 5V AC; 3 amp; Sec. No. 2: 350-0-350V AC, 120 ma, Sec. No. 3: 6.3V AC, 5 amp (BGL).	1	
		(Attaching Parts)		
	COMM	. . BOLT, 8-32 by 3/8 in. lg, rd hd	4	
	AN960A8	. . WASHER, Flat, No. 8	4	
	AN936A8	. . WASHER, Lock, No. 8.	3	
	AN340C8	. . NUT, Hex, 8-32.	4	
	COMM	. . TERMINAL, Solder, No. 8.	1	
		---*---		
-19	D14049	. . CAPACITOR, 2 section, 40 mfd each section (SPR)	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 1/4 in. lg, rd hd	2	
	AN936A6	. . WASHER, Lock, No. 6.	2	
	AN340C6	. . NUT, Hex, 6-32.	2	
		---*---		
-20	DF30B	. . POST, Binding, black, 1 terminal (SUPE).	1	
-21	DF30B	. . POST, Binding, black, 1 terminal (SUPE).	1	
-22	DF30B	. . POST, Binding, black, 1 terminal (SUPE).	1	
-23	AF3405	. . RESISTOR, Variable, 500,000 ohms ±20%, 1/2W (CPH) . .	1	
-24	AF3405	. . RESISTOR, Variable, 500,000 ohms ±20%, 1/2W (CPH) . .	1	
-25	AA2436	. . RESISTOR, Variable, 1 megohm ±20%, 1/2W (CPH)	1	
-26	AA2436	. . RESISTOR, Variable, 1 megohm ±20%, 1/2W (CPH)	1	
-27	No number	. . LINE CORD, 2 wire No. 18, 8 ft. rubber molded plug (CODL)	1	
-28	PM-3A	. . SPEAKER, 3 in., PM (CLEL).	1	
-29	RH-10-13	. . SCREEN, Speaker, 4 in. by 4 in. overall, A1 (BGL)	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 1/2 in. lg, oval hd.	4	
	AN936A6	. . WASHER, Lock No. 6	4	
	AN340C6	. . NUT, Hex, 6-32.	4	
		---*---		
-30	RH-10-7	. . BRACKET, 7-15/16 in. lg by 8-1/8 in. high by 7/16 in. deep, sheet steel (BGL) Left side	1	
		(Attaching Parts)		
	COMM	. . BOLT, 8-32 by 3/8 in. lg, bd hd	2	
	AN936A8	. . WASHER, Lock, No. 8.	2	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY.	USABLE ON CODE
		(Attaching Parts cont.)		
3-30				
	AN340C8	. . NUT, Hex, 8-32	2	
		---*---		
-31	RH-10-8	. . BRACKET, 7-15/16 in. lg by 7-1/8 in. high by 7/16 in. deep, sheet steel (BGL) right side	1	
		(Attaching Parts)		
	COMM	. . BOLT, 8-32 by 3/8 in. lg, bd hd	2	
	AN936A8	. . WASHER, Lock, No. 8	2	
	AN340C8	. . NUT, Hex, 8-32	2	
		---*---		
-32	RH-10-10	. . CHASSIS, Tuner, 6 in. lg by 4-7/8 in. wide by 2-1/2 in. high, overall sheet steel (BGL)	1	
		(Attaching Parts)		
	COMM	. . SCREW, No. 6 sheet metal, 1/4 in. lg, slotted hex hd	4	
	AN936A6	. . WASHER, Lock, No. 6	4	
		---*---		
-33	CB-J	. . BRACKET, Aluminum (AMP)	1	
-34	CTWS	. . CLAMP, Aluminum (AMP)	1	
-35	RH-10-4	. . CHASSIS, 17 in. lg by 8 in. wide by 3 in. high overall, sheet steel (BGL)	1	

Note: *Denotes measurements or positions on Model RH-10's under Government contract AF 33(604)12912

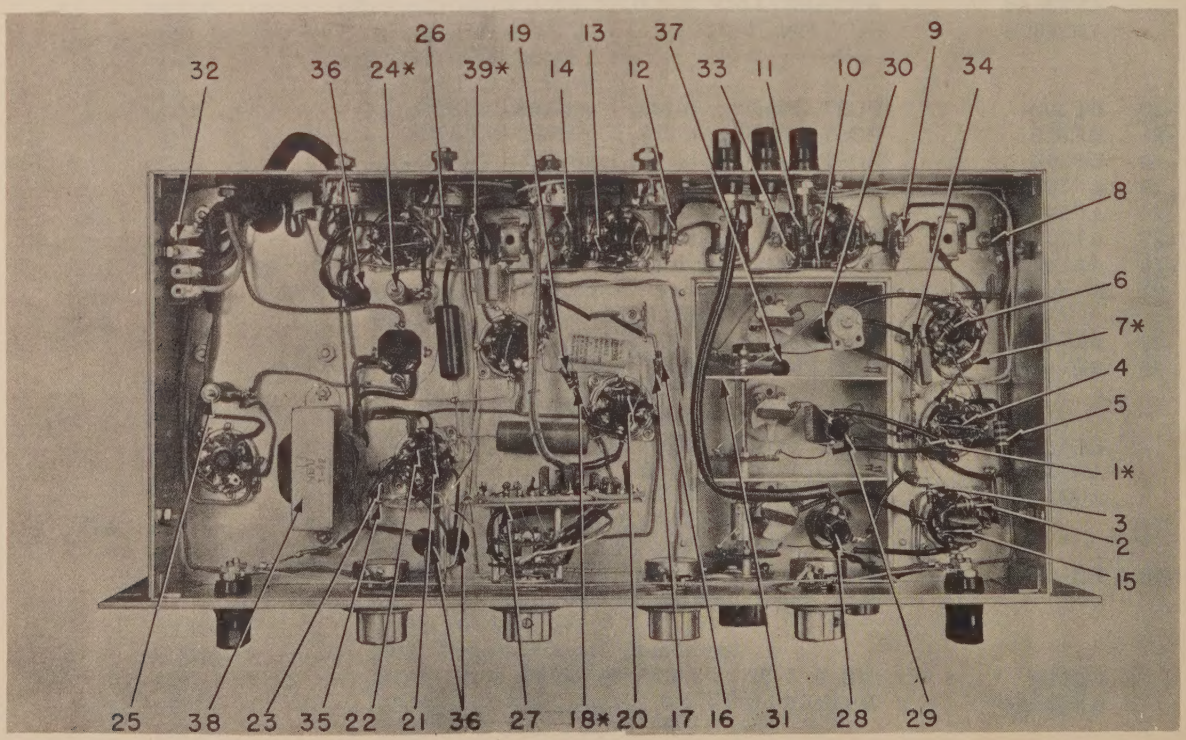


Figure 4. WWV Standard Frequency Calibrator, Model RH-10 Under Chassis View

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
4-	RH-10	. . WWV STANDARD FREQUENCY CALIBRATOR, Model RH-10	ref	
-1	RC20BF104K	. . RESISTOR, Fixed, composition.	1	
-1*	RC20BF224K	. . RESISTOR, Fixed, composition.	1	
-2	RC30BF563K	. . RESISTOR, Fixed, composition.	1	
-3	RC20BF222K	. . RESISTOR, Fixed, composition.	1	
-4	RC20BF221K	. . RESISTOR, Fixed, composition.	1	
-5	RC42BF333K	. . RESISTOR, Fixed, composition.	1	
-6	RC20BF473K	. . RESISTOR, Fixed, composition.	1	
-7	RC20BF473K	. . RESISTOR, Fixed, composition.	1	
-7*	RC20BF273K	. . RESISTOR, Fixed, composition.	1	
-8	RC20BF222K	. . RESISTOR, Fixed, composition.	1	
-9	RC20BF104K	. . RESISTOR, Fixed, composition.	1	
-10	RC30BF563K	. . RESISTOR, Fixed, composition.	1	
-11	RC20BF222K	. . RESISTOR, Fixed, composition.	1	
-12	RC20BF104K	. . RESISTOR, Fixed, composition.	1	
-13	RC30BF563K	. . RESISTOR, Fixed, composition.	1	
-14	RC20BF222K	. . RESISTOR, Fixed, composition.	1	
-15	RC20BF101K	. . RESISTOR, Fixed, composition.	1	
-16	RC20BF105K	. . RESISTOR, Fixed, composition.	1	
-17	RC20BF105K	. . RESISTOR, Fixed, composition.	1	
-18	RC20BF225K	. . RESISTOR, Fixed, composition.	1	
-18*	RC20BF275K	. . RESISTOR, Fixed, composition.	1	
-19	RC20BF474K	. . RESISTOR, Fixed, composition.	1	
-20	RC20BF332K	. . RESISTOR, Fixed, composition.	1	
-21	RC20BF102K	. . RESISTOR, Fixed, composition.	1	
-22	RC20BF102K	. . RESISTOR, Fixed, composition.	1	
-23	RC20BF105K	. . RESISTOR, Fixed, composition.	1	
-24	RW31F752	. . RESISTOR, Wire wound.	1	
-24*	RW31F402	. . RESISTOR, Wire wound.	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 2-1/8 in. lg. rd hd.	1	
	COMM	. . INSULATOR, No. 6, fibre	2	
	AN936A6	. . WASHER, Lock, No. 6.	1	
	AN340C6	. . NUT, Hex, 6-32	1	
		---*---		
-25	RW31F501	. . RESISTOR, Wire wound.	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 2-1/8 in. lg, rd hd.	1	
	COMM	. . INSULATOR, No. 6, fibre	2	
	AN936A6	. . WASHER, Lock, No. 6.	1	
	AN340C6	. . NUT, Hex, 6-32	1	
		---*---		
-26	RC20BF105K	. . RESISTOR, Fixed, composition.	1	
-27	RH-10-12	. . COMPONENT BOARD (see figure 5) (BGL)	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 2-1/8 in. lg, rd hd.	2	
	COMM	. . SPACER, 1 in. lg.	2	
	AN936A6	. . WASHER, Lock, No. 6.	2	
	AN340C6	. . NUT, Hex, 6-32	2	
		---*---		
-28	2A	. . COIL, Radio Frequency, (CGT).	1	
-29	2R	. . COIL, Mixer, (CGT)	1	
-30	20	. . COIL, Oscillator, (CGT)	1	
-31	RH-10-9	. . SHIELD, 3-3/8 in. lg by 2-13/32 in wide by 3/8 in. deep overall, sheet steel (BGL)	3	
		(Attaching Parts)		
	COMM	SCREW, No. 6, sheet metal 1/4 in. lg, rd hd	9	

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
4-32	COMM	. . TERMINAL BOARD, 3 solder type terminals	1	
		(Attaching Parts)		
	COMM	. . BOLT, 8-32 by 3/8 in. lg, bd. hd.	1	
	AN340C8	. . NUT, Hex, 8-32	1	
		---*---		
-33	COMM	. . TERMINAL BOARD, 2 solder type terminals	8	
-34	COMM	. . TERMINAL BOARD, 8 solder type terminals	1	
-35	COMM	. . TERMINAL BOARD, 1 solder type terminal	3	
-36	COMM	. . GROMMET, 3/8 in. hole	3	
-37	COMM	. . GROMMET, 1/4 in. hole	1	
-38	T-22	. . CHOKE, Filter, 6 henries, 100 ma (BGL)	1	
-39*	RC20BF473K	. . RESISTOR, Fixed, composition	1	
-40	RC20BF473K	. . RESISTOR, Fixed composition	1	
		(Attaching Parts)		
	COMM	. . BOLT, 6-32 by 1/4 lg, rd hd.	2	
	AN936A6	. . WASHER, Lock, No. 6.	2	
	AN340C6	. . NUT, Hex, 6-32	2	

Note: *Denotes measurements or positions on model RH-10's under Government Contract AF33(604)12912

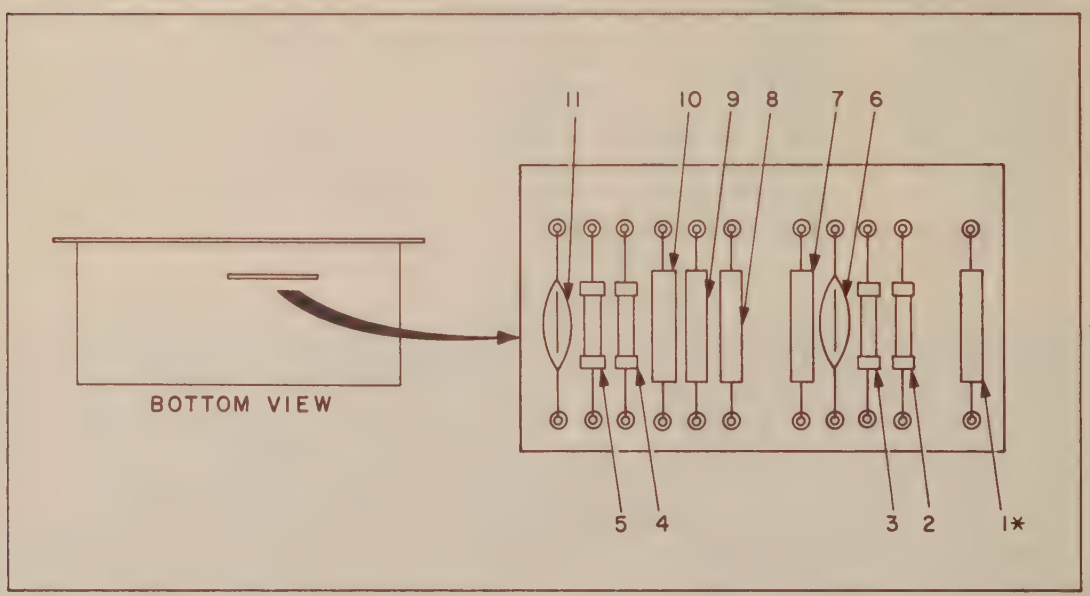


Figure 5. WWV Standard Frequency Calibrator, Model RH-10, Compenent Board

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
5-	RH-10-12 . .	COMPONENT BOARD (see figure 4 for next higher assy) . .	Ref.	
-1	RC20BF104K	. . RESISTOR, Fixed composition, 100K ±10% 1/2W	1	
-2	DC1/2-910K1	. . RESISTOR, Fixed, dptd carb, 910K ±1%, 1/2W (ETR) . .	1	
-3	DC1/2-680K1	. . RESISTOR, Fixed, dptd carb, 680K ±1%, 1/2W (ETR) . .	1	
-4	DC1/2-680K1	. . RESISTOR, Fixed, dptd carb, 680K ±1%, 1/2W (ETR) . .	1	
-5	DC1/2-390K1	. . RESISTOR, Fixed, dptd carb, 390K ±1%, 1/2W (ETR) . .	1	
-6	Type 36C	. . CAPACITOR, Fixed, ceramic dielectric .01 mfd ±100% -20%, 500V (SPR)	1	
-7	CM20D401G	. . CAPACITOR, Fixed, mica, 400 mmf ±20%, 500V	1	
-8	CM20D401G	. . CAPACITOR, Fixed, mica, 400 mmf ±20%, 500V	1	
-9	CM20D401G	. . CAPACITOR, Fixed, mica, 400 mmf ±20%, 500V	1	
-10	CM20D401G	. . CAPACITOR, Fixed, mica, 400 mmf ±20%, 500V	1	
-11	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric 0.04 mfd +100% -20%, 500V (CLD)	1	

Note: *Denotes measurements or positions on Model RH-10's under Government contract AF33(604)12912

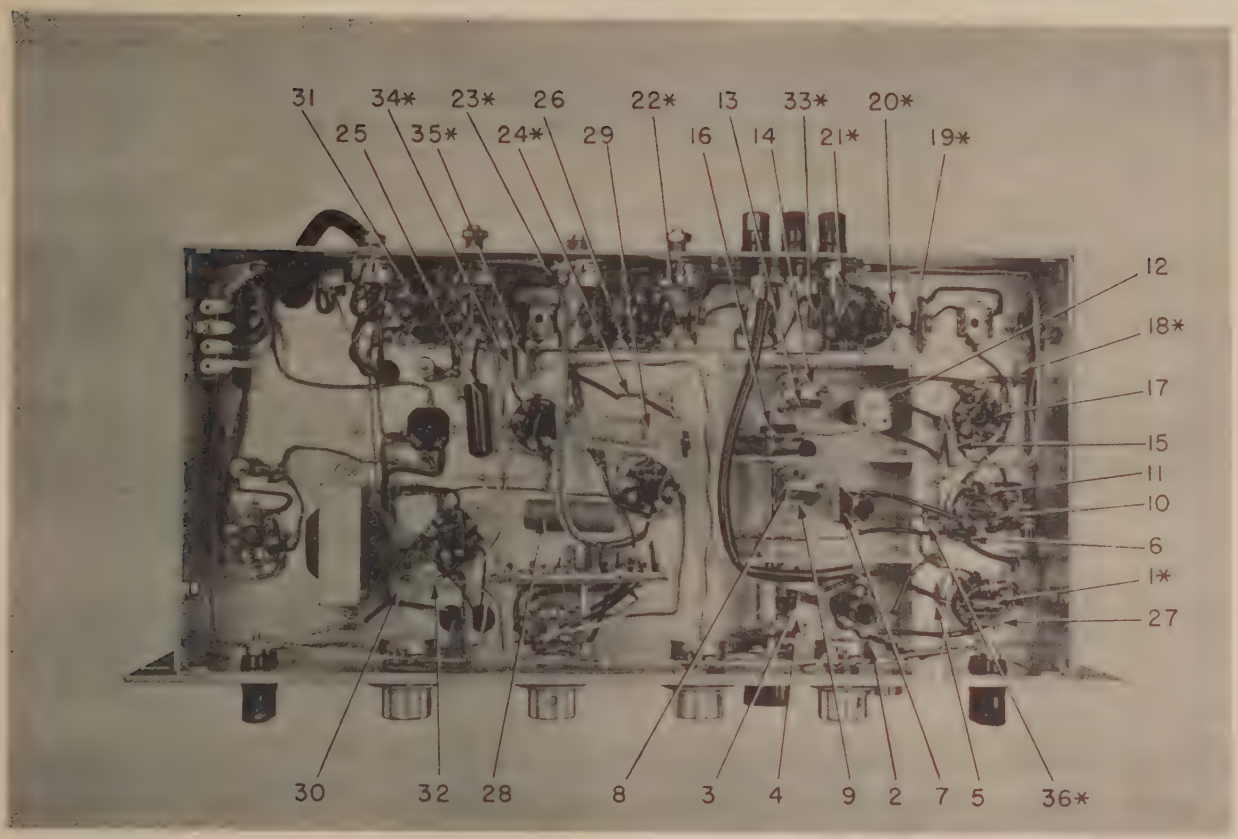


Figure 6. WWV Standard Frequency Calibrator, Model RH-10 Under Chassis View

FIG. & INDEX NO.	PART NO.	DESCRIPTION 1 2 3 4 5 6 7	UNITS PER ASSY.	USABLE ON CODE
6-	RH-10	. . WWV STANDARD FREQUENCY CALIBRATOR, MODEL RH-10	Ref.	
-1	HI-Q BPD	. . CAPACITOR, Fixed, ceramic dielectric, 0.0047 mfd +100% -20%, 500V (AEV)	1	
-1*	Type 36C	. . CAPACITOR, Fixed, ceramic dielectric, 0.01 mfd +100% -20%, 500V (SPR)	1	
-2	CM20B200J	. . CAPACITOR, Fixed, mica dielectric, 20 mmf ±5%, 500V	1	
-3	CM20C750J	. . CAPACITOR, Fixed, mica dielectric, 75 mmf ±5%, 500V	1	
-4	ARL-16	. . CAPACITOR, Variable, air dielectric, 44 mmf, 1 gang (SKL)	1	
		(Attaching Parts)		
	COMM	. . BOLT, 4-32 by 1/4 in. lg.	2	
	AN936A4	. . WASHER, Lock, No. 4.	2	
		---*---		
-5	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20% 500V (SPR)	1	
-6	Hi-Q BPD	. . CAPACITOR, Fixed, ceramic dielectric, 0.0047 mfd +100% -20%, 500V (AEV)	1	
-7	CM20B200J	. . CAPACITOR, Fixed, mica dielectric, 20 mmf ±5%, 500V	1	
-8	CM20C620J	. . CAPACITOR, Fixed, mica dielectric, 62 mmf ±5%, 500V	1	
-9	ARL-16	. . CAPACITOR, Variable, air dielectric, 44mmf, 1 gang, (SKL)	1	

FIG. & INDEX NO.	PART NO.	1 2 3 4 5 6 7 DESCRIPTION	UNITS PER ASSY.	USABLE ON CODE
6-9		(Attaching Parts)		
	COMM	. . BOLT, 4-32 by 1/4 in. lg.	2	
	AN936A4	. . WASHER, Lock, No. 4.	2	
		---*---		
-10	Hi-Q BPD	. . CAPACITOR, Fixed, ceramic dielectric, 0.0047 mfd +100% -20%, 500V (AEV)	1	
-11	Hi-Q BPD	. . CAPACITOR, Fixed, ceramic dielectric, 0.0047 mfd +100% -20%, 500V (AEV)	1	
-12	NPO TS2A	. . CAPACITOR, Variable, ceramic dielectric, 3-12 mmf, 300V (EABI)	1	
-13	CM20C121J	. . CAPACITOR, Fixed, mica dielectric, 120 mmf ±5%, 500V	1	
-14	ARL-16	. . CAPACITOR, Variable, air dielectric, 44 mmf, 1 gang (SKL)	1	
		(Attaching Parts)		
	COMM	. . BOLT, 4-32 by 1/4 in. lg.	2	
	AN936A4	. . WASHER, Lock, No. 4.	2	
		---*---		
-15	CM20C101K	. . CAPACITOR, Fixed, mica dielectric, 100 mmf ±10%, 500V	1	
-16	CM20B100J	. . CAPACITOR, Fixed, mica dielectric, 10 mmf ±5%, 500V	1	
-17	Hi-Q BPD	. . CAPACITOR, Fixed, ceramic dielectric, 0.0047 mfd +100% -20%, 500V (AEV)	1	
-18	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-18	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-19	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-19*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-20	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-20*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-21	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-21*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-22	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-22*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-23	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-23*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-24	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.0047 mfd 600V (SPR)	1	
-24*	8TM5S4	. . CAPACITOR, Fixed,ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-25	73P47306	. . CAPACITOR, Fixed, paper dielectric, 0.047 mfd 600V (SPR)	1	
-26	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20%, 500V (SPR)	1	
-27	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20%, 500V (SPR)	1	
-28	73P10406	. . CAPACITOR, Fixed, paper dielectric, 0.1 mfd, 600V (SPR)	1	
-29	D9656	. . CAPACITOR, Fixed, electrolitic, 10 mfd, 10V (SPR)	1	
-30	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20%, 500V (SPR)	1	
-31	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20%, 500V (SPR)	1	
-32	Type 36C	. . CAPACITOR, Fixed, ceramic 0.01 mfd +100% -20%, 500V (SPR)	1	
-33*	8TM5S4	. . CAPACITOR, Fixed, ceramic dielectric, 0.04 mfd 600V (CLD)	1	
-34*	CM20C101K	. . CAPACITOR, Fixed, mica dielectric, 100 mmf 500V (SPR)	1	
-35*	CM20C101K	. . CAPACITOR, Fixed, mica dielectric, 100 mmf 500V (SPR)	1	
-36*	RC20BF105K	. . RESISTOR, Fixed composition, 1 meg. ±10% 1/2W	1	

Note: *Denotes measurements or positions on Model RH-10's under Government contract AF33(604)12912

PART NO.	SOURCE CODE	FIGURE & INDEX NO.	QTY PER ARTICLE
AA2436		3-25	2
AF3405		3-23	2
AGC		2-2	2
ARL-16		6-4	3
ARL-26		2-14	1
AN340C6		3-15	22
AN340C8		3-18	9
AN936A4		6-14	2
AN936A6		2-18	27
AN936A8		3-18	6
AN960A8		3-18	4
AX9938		2-11	1
CB-J		3-33	1
CM20B100J		6-16	1
CM20B200J		6-2	1
CM20C101J		6-15	1
CM20C121J		6-13	1
CM20C620J		6-8	1
CM20C750J		6-3	1
CM20D401G		5-7	4
CTWS		3-34	1
DC1/2-390K1		5-5	1
DC1/2-680K1		5-3	2
DC1/2-910K1		5-2	1
DF30B		2-7	7
D14049		3-19	1
D9656		6-29	1
GEN-A-5		2-16	1
GEN-B-1		2-15	6
Hi-Q BPD		6-1	5
HKP		2-1	1
NPO TS2A		6-12	1
PM-3A		3-28	1
RC20BF101K		4-15	1
RC20BF102K		4-21	2
RC20BF104K		4-1	4
RC20BF105K		4-16	3
RC20BF221K		4-4	1
RC20BF222K		4-3	3
RC20BF225K		4-18	1
RC20BF332K		4-20	1

PART NO.	SOURCE CODE	FIGURE & INDEX NO.	QTY PER ARTICLE
RC20BF473K		4-6	2
RC20BF474K		4-19	1
RC20BF563K		4-2	3
RC42BF333K		4-5	1
RH-10		1-3	1
RH-10-4		3-35	1
RH-10-5		1-2	1
RH-10-6		1-1	1
RH-10-7		3-30	1
RH-10-8		3-31	1
RH-10-9		4-31	3
RH-10-10		3-32	1
RH-10-11		2-4	1
RH-10-12		4-27	1
RH-10-13		3-29	1
Type 35		2-12	2
Type 36C		5-6	5
T-13		3-18	1
T-22		4-38	1
OD3/VR150		3-10	1
10G		2-3	1
10-16		2-17	1
14075		3-14	2
14076		3-16	1
20		4-30	1
206FESC		3-13	1
2A		4-28	1
2R		4-29	1
356M1		3-12	1
5Y3		3-11	1
6H6		3-6	1
6J5		3-3	1
6SG7		3-1	2
6SJ7		3-7	1
6SK7		3-4	2
6SN7		3-8	1
6U5		3-9	1
73P10406		6-28	1
73P47306		6-18	8
80607		2-6	1
8TM5S4		5-11	1

Model Supplied Prior to 15 Dec. 1956

PART NO.	SOURCE CODE	FIGURE & INDEX NO.	QTY PER ARTICLE
AA2436		3-25	2
AF3405		3-23	2
AGC		2-2	1
ARL-16		6-4	3
ARL-26		2-14	1
AN340C6		3-15	16
AN340C8		3-18	9
AN936A4		6-14	2
AN936A6		2-18	21
AN936A8		3-18	6
AN960A8		3-18	4
AX9938		2-11	1
CB-J		3-33	1
CM20B100J		6-16	1
CM20B200J		6-2	2
CM20C101K		6-15	3
CM20C121J		6-13	1
CM20C620J		6-8	1
CM20C750J		6-3	1
CM20D401G		5-7	4
CTWS		3-34	1
DC1/2-390K1		5-5	1
DC1/2-680K1		5-3	2
DC1/2-910K1		5-2	1
DF30B		2-7	7
D14049		3-19	1
D9656		6-29	1
GEN-A-5		2-16	1
GEN-B-1		2-15	6
Hi-Q BPD		6-1	4
HKP		2-1	1
NPO TS2A		6-12	1
PM-3A		3-28	1
RC20BF101K		4-15	1
RC20BF102K		4-21	2
RC20BF104K		4-9	3
RC20BF105K		4-16	5
RC20BF221K		4-4	1
RC20BF222K		4-3	4
RC20BF224K		4-1	1
RC20BF273K		4-7	1
RC20BF275K		4-18	1
RC20BF332K		4-20	1
RC20BF473K		4-6	2
RC20BF474K		4-19	1

PART NO.	SOURCE CODE	FIGURE & INDEX NO.	QTY PER ARTICLE
RC30BF563K		4-2	3
RC42BF333K		4-5	1
RW31F402		4-24	1
RW31F501		4-25	1
RH-10		1-3	1
RH-10-1		2-18	1
RH-10-4		3-35	1
RH-10-5		1-2	1
RH-10-6		1-1	1
RH-10-7		3-30	1
RH-10-8		3-31	1
RH-10-9		4-31	3
RH-10-10		3-32	1
RH-10-11		2-4	1
RH-10-12		4-27	1
RH-10-13		3-29	1
S-11X		3-17	1
SW-4-13		2-5	1
Type 35		2-12	2
Type 36C		5-6	7
T-13		3-18	1
T-22		4-38	1
OD3VR150		3-10	1
10G		2-3	1
10-16		2-17	1
1655-6		3-14	3
20		4-30	1
206FESC		3-13	1
2A		4-28	1
2R		4-29	1
356M1		3-12	1
5Y3		3-11	1
6H6		3-6	1
6J5		3-3	1
6SA7		3-2	1
6SG7		3-1	1
6SJ7		3-7	1
6SK7		3-4	2
6SN7		3-8	1
6U5/6G5		3-9	1
73P10406		6-28	1
73P47306		6-25	1
80607		2-6	1
8TM5S4		5-11	9
Term BRD		4-32	4

Reference Designation	Figure Index	Part No.
C1	6-1	Hi-Q-BPD
C2	6-2	CM20B200J
C3	6-3	CM20C750J
C4	6-4	ARL-16
C5	6-5	Type 36C
C6	6-6	Hi-Q-BPD
C7	6-7	CM20B200J
C8	6-8	CM20C620J
C9	6-9	ARL-16
C10	6-10	Hi-Q-BPD
C11	6-11	Hi-Q-BPD
C12	6-12	NPO TS2A
C13	6-13	CM20C121J
C14	6-14	ARL-16
C15	6-15	CM20C101
C16	6-16	CM20B100J
C17	2014	ARL-26
C18	6-17	Hi-Q-BPD
C19	6-18	73P47306
C20	6-19	73P47306
C21	6-20	73P47306
C22	6-21	73P47306
C23	6-22	73P47306
C24	6-23	73P47306
C25	6-24	73P47306
C26	6-25	73P47306
C27	6-26	Type 36C
C28	6-27	Type 36C
C29	6-28	73P10406
C30	5-11	8TM5S4
C31	3-19	D14049
C32	5-7	CM20D401G
C33	5-8	CM20D401G
C34	5-9	CM20D401G
C35	5-10	CM20D401G
C36	5-6	Type 36C
C37	6-29	D9656
C38	6-30	Type 36C
C39	6-31	Type 36C
C40	6-32	Type 36C
F1	2-2	AGC
J1	2-7	DF30B
J2	2-8	DF30B
J3	2-9	DF30B
J4	2-10	DF30B
J5	3-20	DF30B
J6	3-21	DF30B
J7	3-22	DF30B
L1	4-28	2A
L2	4-29	2R
L3	4-30	20
L4	4-38	T-22
R1	4-1	RC20BF104K
R2	4-2	RC30BF563K
R3	4-3	RC20BF222K
R4	4-4	RC20BF221K
R5	4-5	RC42BF333K
R6	4-6	RC20BF473K
R7	4-7	RC20BF473K
R8	4-8	RC20BF222K
R9	4-9	RC20BF104K
R10	4-10	RC20BF563K

Reference Designation	Figure Index	Part No.
R11	4-11	RC20BF222K
R12	4-12	RC20BF104K
R13	4-13	RC30BF563K
R14	4-14	RC20BF222K
R15	4-15	RC20BF101K
R17	4-26	RC20BF105K
R18	2-11	AX9938
R19	4-16	RC20BF105K
R20	4-17	RC20BF105K
R21	4-18	RC20BF225K
R22	4-19	RC20BF474K
R23	4-20	RC20BF332K
R24	5-4	DC1/2-680K1
R25	5-5	DC1/2-390K1
R26	3-23	AF3405
R27	3-24	AF3405
R28	3-25	AA2436
R29	3-26	AA2436
R30	5-2	DC1/2-010K1
R31	5-3	DC1/2-680K1
R32	5-1	RC20BF105K
R33	2-12	Type 35
R34	2-13	Type 35
R35	4-21	RC20BF102K
R36	4-22	RC20BF102K
R37	4-23	RC20BF105K
R38	3-13	206FESC
R39	4-24	RW31F752
R40	4-25	RW31F501
S1	2-4	RH-10-11
S2	2-5	SW-4-13
S3	2-6	80607
T1	3-14	14075
T2	3-15	14075
T3	3-16	14076
T4	3-17	S-11X
T5	3-18	T-13
TB1	4-27	RH-10-12
V1	3-1	6SG7
V2	3-2	6SG7
V3	3-3	6J5
V4	3-4	6SK7
V5	3-5	6SK7
V6	3-6	6H6
V7	3-7	6SJ7
V8	3-8	6SN7
V9	3-9	6U5
V10	3-10	OD3/VR150
V11	3-11	5Y3
XF1	2-1	HKP
XI1	2-3	10G
XV1	3-12	356M1
XV2	3-12	356M1
XV3	3-12	356M1
XV4	3-12	356M1
XV5	3-12	356M1
XV6	3-12	356M1
XV7	3-12	356M1
XV8	3-12	356M1
XV9	3-13	206FESC
XV10	3-12	356M1
XV11	3-12	356M1

Reference Designation	Figure Index	Part No.
C1	6-1	36C
C2	6-2	CM20B200J
C4	6-3	CM20C750J
C5	6-4	ARL-16
C6	6-5	Type 36C
C7	6-27	Type 36C
C8	6-6	Hi-Q BPD
C9	6-7	CM20B200J
C11	6-8	CM20C620J
C12	6-9	ARL-16
C13	6-10	Hi-Q BPD
C14	6-11	Hi-Q BPD
C15	2-14	ARL-26
C16	6-13	CM20C121J
C17	6-14	ARL-16
C18	6-12	NPO TS2A
C19	6-16	CM20B100J
C20	6-15	CM20C101K
C21	6-17	Hi-Q BPD
C22	6-18	8TM5S4
C23	6-19	8TM5S4
C24	6-20	8TM5S4
C25	6-21	8TM5S4
C26	6-33	8TM5S4
C27	6-22	8TM5S4
C28	6-25	73P47306
C29	6-23	8TM5S4
C30	6-24	8TM5S4
C31	6-34	CM20C101K
C32	6-35	CM20C101K
C33	6-26	Type 36C
C34	6-28	73P10406
C35	6-29	D9656
C36	5-8	CM20D401G
C37	5-10	CM20D401G
C38	5-11	8TM5S4
C39	5-7	CM20D401G
C40	5-9	CM20D401G
C41	5-6	Type 36C
C42	6-32	Tupe 36C
C43	6-30	Type 36C
C44-45	3-19	D14049
C46	6-31	Type 36C
DS-1	2-3	10G
E1	2-7	DF30B
E2	2-8	DF30B
E3	2-9	DF30B
E4	2-10	DF30B
E5	3-20	DF30B
E6	3-21	DF30B
E7	3-22	DF30B
F1	2-2	AGC
L1	4-28	2A
L2	4-29	2R
L3	4-30	20
L4	4-38	T-22
R1	4-1	RC20BF224K
R2	4-15	RC20BF101K
R3	4-2	RC30BF563K
R4	4-3	RC20BF222K
R5	4-4	RC20BF221K
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